ABLELink®

SE5001 Ethernet Serial Server

Quick Start Guide

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This document is intended to provide customers with brief descriptions on the product and to assist customers to get started. For detail information and operations of the product, please refer to the user's manual in the product CD.

1.Packaging

Please check your package contains the following items:
- SE5001-S2 or SE5001-S5- Serial Server
- Quick Start Guide
- Product CD
- Wall mounting screws
- 3 pin terminal block for power input
- Optional Accessories：

  1. DK-25 DIN-Rail Kit

  2. Power Adapter with DC jack- PIN 1.3φ output 5V 1A

     (1) AD5V1A(US) Switching adapter

     (2) AD5V1A(EU) Switching adapter

  3. Power Adapter with Terminal block output 12V1.25A

     (1) US315-12(US) Switching adapter

     (2) US315-12(EU) Switching adapter

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2.Hardware Setup

SE5001 interfaces
NOTE:
1. **SE5001-S2** (for RS-232), **SE5001-5** (for RS-422/RS-485)
2. One can press the reset button of SE5001 to reset the settings to the default value
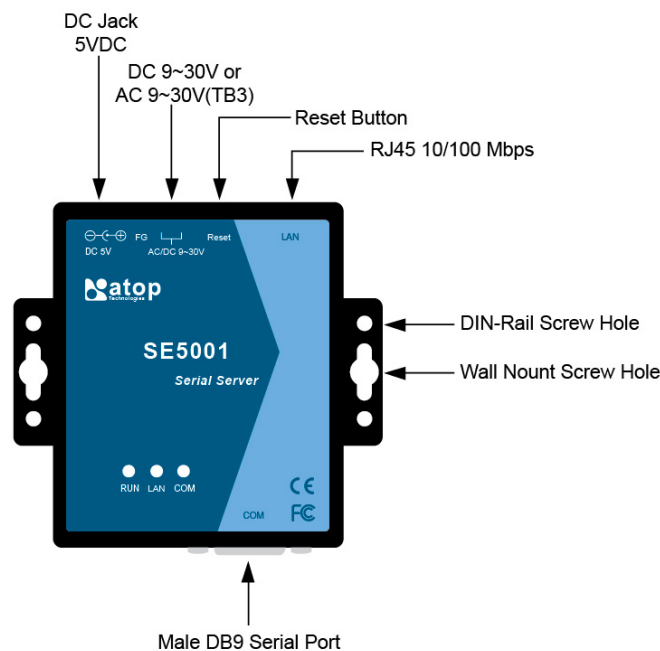
Figure 2.1 shows the interfaces.

Figure 2.1. SE5001 Interface

LED Indicators:

LAN LED

Message	Description
Off	Ethernet Disconnected
Blinking with Green	Data is transmitting on Ethernet for 100Mbps
Blinking with Orange	Data is transmitting on Ethernet for 10Mbps
Table 1. LAN LED Message	

COM Port LED

Message	Description
Off	No data is transmitting on COM port
Blinking	Data is transmitting on COM port
Table 2. COM Port LED Message	

RUN LED

Message	Description
On	Jumper JP1 Pin1 and Pin2 are shorted to disable AP firmware running
Blinking (rate: 0.5 Sec)	AP firmware is running normally
Table 3. RUN LED Message	

Installation Procedures:
Step 1: Connect SE5001 to power source using 5V DC Jack
     (or 9~30V DC Terminal Block power source)
Note: **SE5001 provide two power inputs can be connected simultaneously to live DC power sources. Anyone of the power inputs fails, the other live source acts as a backup to support power needs automatically. The redundant dual DC power inputs give you extra assurance of non-stop operation**
Step 2: Connect SE5001 to ones Ethernet network. Use a standard straight-through Ethernet cable when one connect it to a hub/switch, one also can connect it to ones PC's Ethernet port via a cross-over Ethernet cable for easy set up. However, in this case one need to make sure ones PC is in the same network sub-net as SE5001.
Step 3: Connect SE5001's serial port to a serial device.
Step 4: Placement options. One can mount SE5001 to a wall/panel (Mounting screws included) or Din-Rail rack (Require optional item model: Din-Rail-Kit DK-25).

3. Software Setup

Default Network Setting:	Default User Name/Password:
IP: 10.0.50.100	**User Name: admin**
Gateway: 10.0.0.254	**Password: null (leave it blank)**
Subnet: 255.255.0.0	

Auto IP (Dynamic IP):

A DHCP server can automatically assigns the IP address and network settings. SE5001 supports the DHCP function. By default, the DHCP function on SE5001 is disabled; you can use Monitor.exe to enable this function. (ref Figure 3.1)

Figure 3.1. monitor.exe utility Dialog Window

Assign a Static IP address by:
A. Using Telnet
1.   Telnet to SE5001 using DOS command "**Telnet IP_address**". Example: telnet 10.0.50.100
2.   SE5001's network, link mode and COM ports settings can be configured in the telnet window
B. Using Monitor.exe Utility
Use **Monitor.exe** which comes inside the Product CD to automatically search for all SE5001 connected to ones local area network. Then please select the desired SE5001 to configure the network setting individually.

C. Using Web Browser
1.   Make sure ones PC is located on the same network sub-net as SE5001
2.   2Open a web browser, then type in the IP address of SE5001 to be configured. Default user name is **admin** and default password is **null (leave it blank)**.
3.   3SE5001's network, link mode and COM ports settings can be configured in different web pages.
4.   Click "*Save Configuration*" to save settings.
5.   Click "*Restart*" button to make the change effective if necessary.

4. Pin Assignments

The pin assignments of DB9 connector on SE5001 is shown in the following table:

Pin#	RS-232 Full Duplex for **SE5001-S2** Model	RS-485 2-wire Half Duplex for **SE5001-S5** Model	RS-422/RS-485 4-wire Full Duplex for **SE5001-S5** Model
1	DCD	N/A	N/A
2	RXD	N/A	TXD+
3	TXD	DATA+	RXD+
4	DTR	N/A	N/A
5	SG (Signal Ground)	SG (Signal Ground)	SG (Signal Ground)
6	DSR	N/A	N/A
7	RTS	DATA-	RXD-
8	CTS	N/A	TXD-
9	N/A	N/A	N/A

Customer Services and Supports
1.   Contact your local dealers or Atop Technical Support Center at the following numbers.
   • +886-3-550-8137 (Atop Taiwan)
   • +86-21-6495-6232 (Atop China)
2.   Report the errors via Atop's Web site or E-mail account
   www.atop.com.tw, service@atop.com.tw
   www.atop.com.cn, service@atop.com.cn